FIG. 1

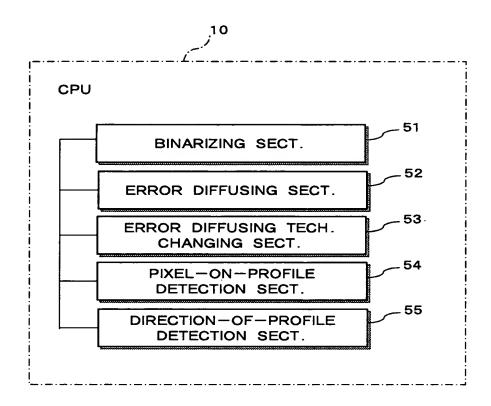


FIG. 2

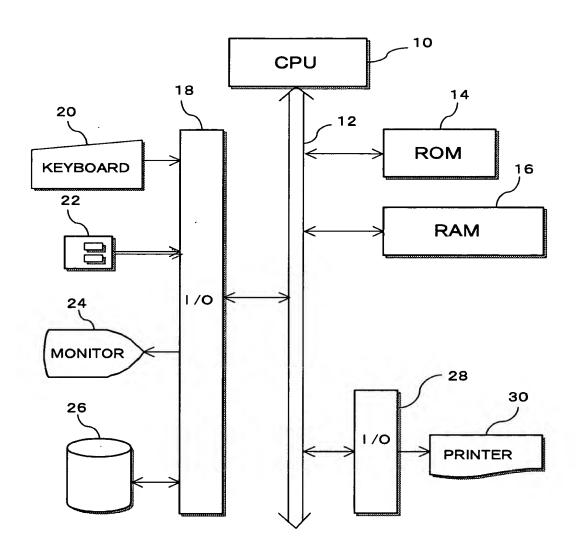


FIG. 3

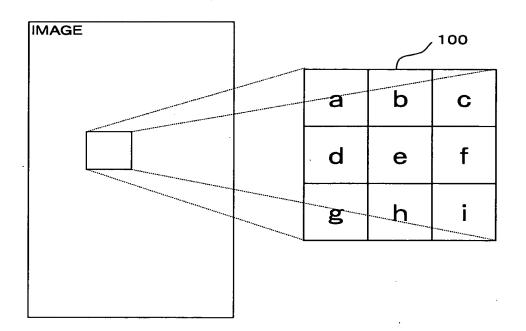


FIG. 4

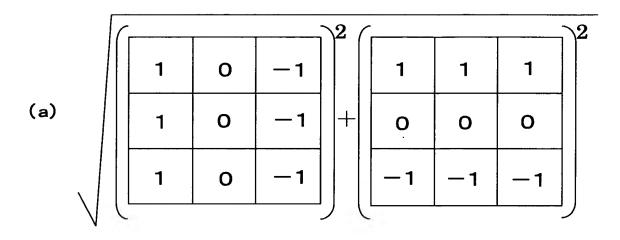
(a)

0	-1	0
-1	4	-1
0	-1	0

(b)

,	1	-2	1	
	-2	4	-2	
	1	-2	1	

FIG. 5



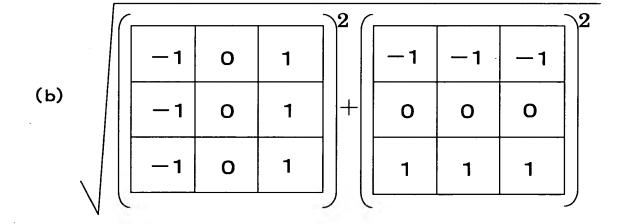


FIG. 6

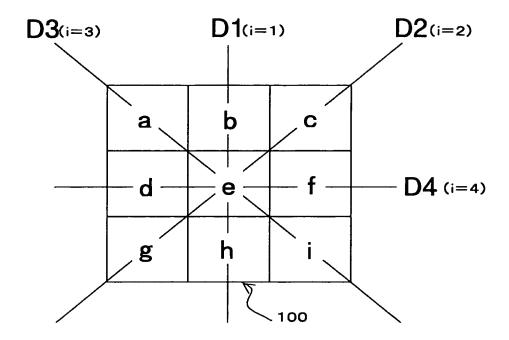
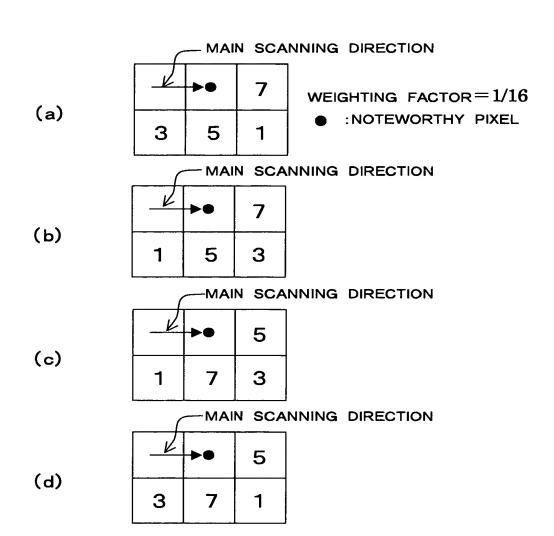


FIG. 7



(b)

FIG. 8

			MAIN	SCAN	NING D	PIRECTION
		V	▶●	7	5	WEIGHT
(a)	3	5	7	5	3	● :NC
	1	3	5	3	1	

WEIGHTING FACTOR = 1/42

● :NOTEWORTHY PIXEL

		MAIN	SCAN	NING D	IRECTION
	V	▶●	8	4	
2	4	8	4	2	
1	2	4	2	1	

FIG. 9

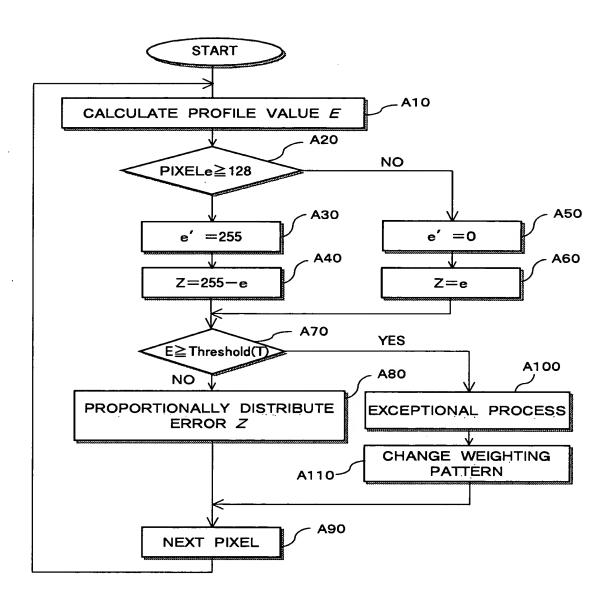


FIG. 10

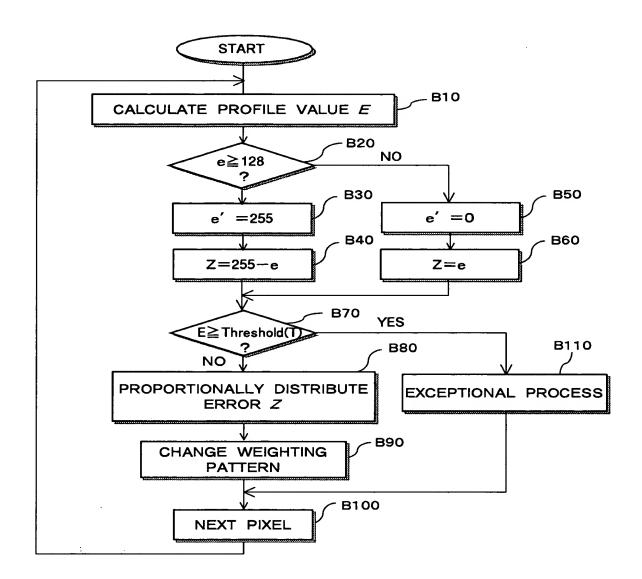
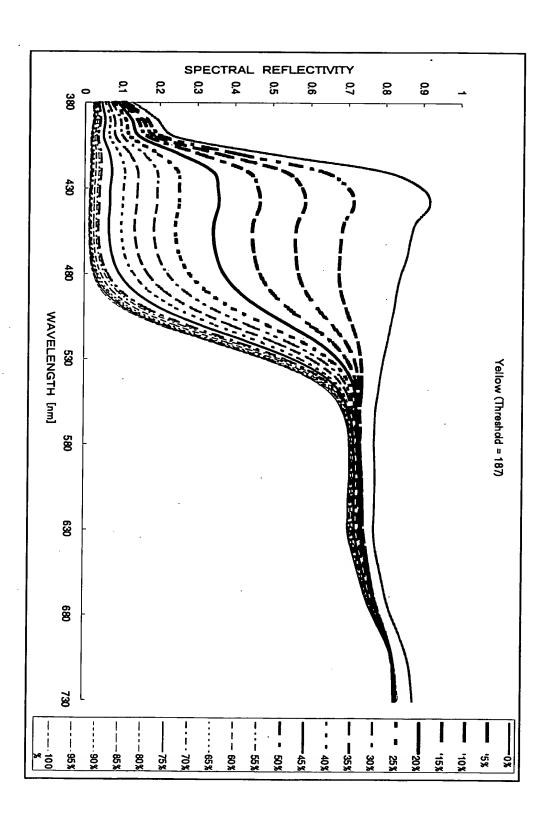
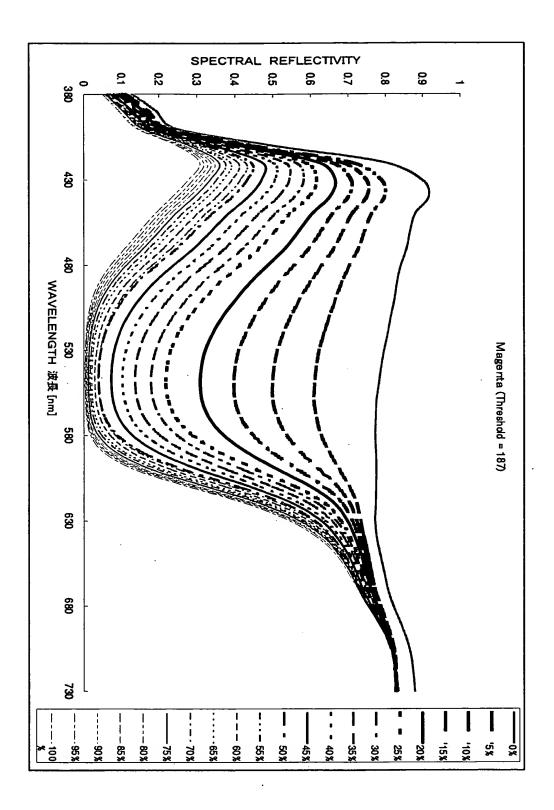
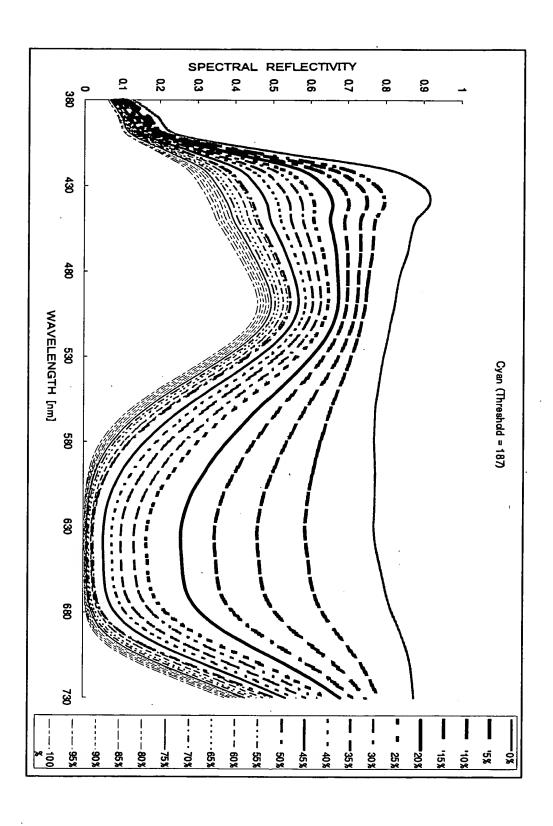


FIG. 11 **START** C10 INPUT PARAMETER (THRESHOLD) CONTROLLING DEGREE C20 START RASTER SCANNING C30 YES SCANNING COMPLETED? **END** NO C40 SELECT PROFILE DETECTING METHOD C50 **C60** C70 USE DIGITAL FILTER USE DIGITAL FILTER CALCULATE DIRECTLY (LAPRACIAN) (PREWITT) FROM PIXEL VALUE - C80 SELECT HALFTONING **METHOD** C90 C110 CHANGE WEIGHTING CHANGE ERROR DIFFUSION TECHNIQUE(AT TRANSIT TO FACTOR(ONLY AT PROFILE DETECTED) TARGET PIXEL) C100 CHANGE WEIGHTING FACTOR(AT TRANSIT TO TARGET PIXEL) - C120 TRANSIT TO ANOTHER PIXEL





iG. 13



HG. 14